

Abstract:

The present invention refers to a thermoplastic multilayer composite (4) in the form of a hollow body, which is formed by at least one inner layer (1) on the basis of polyamides, at least one intermediate layer (2) as well as at least one thermoplastic outer layer (3). Furthermore, the present invention relates to a process for making such a thermoplastic multilayer composite as well as to the use of such a thermoplastic multilayer composite as a tubing in particular for fuels. In particular in the context of the use as a tubing for fuels the proposed multiplayer structure shows to be surprisingly resistant against zinc chloride and against petrol comprising peroxide while at the same time having a simple structure, if the inner layer (1) is based on a mixture of different polyamide homopolymers, and if the inner layer (1) additionally comprises a compatibilizer.

(Fig. 1)